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The physiology of the **grid**: An open **grid** services architecture for distributed systems integration

I Foster, C Kesselman, J Nick, S Tuecke - Open **Grid** Service Infrastructure WG, Global **Grid** Forum, 2002 -

[citeseerx.ist.psu.edu](#)

... 947, RSVP: A new **resource reservation** protocol - ZHANG, DEERING, et al. - 1993.

430, **Grid** Information Services for Distributed **Resource** Sharing - Czajkowski. ...

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The anatomy of the **grid**: Enabling scalable virtual organizations- ► [arxiv.org](#) (PDF)

I Foster, C Kesselman, S Tuecke - International Journal of High Performance Computing ..., 2001 - [hpc.sagepub.com](#)

... Livny, 1998), which support advance **reservation** capabilities. ... not require each of

the **resource** providers to ... The public key-based **Grid** security infrastructure ...

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... /G: an architecture for a **resource** management and schedulingsystem in a global computational

grid- ► [arxiv.org](#) (PDF)

R Buyya, D Abramson, J Giddy - High Performance Computing in the Asia-Pacific Region, 2000. ..., 2000 -

[ieeexplore.ieee.org](#)

... method of computational economy as part of our NimrdG system is rather complex and

it needs **grid** middleware services for **resource reservation**, broker services ...

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A taxonomy and survey of **grid resource** management systems for distributed computing-

► [kfupm.edu.sa](#) (PDF)

K Krauter, R Buyya, M Maheswaran - Software: Practice and Experience, 2002 - [doi.wiley.com](#)

... **Resource reservation** is one of the ways of providing guaranteed QoS in a **Grid** with

dedicated **resources**. Globus provides some **resource reservation** capabilities. ...

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(PDF) ► An economy driven **resource** management architecture for global computational power grids

R Buyya, D Abramson, J Giddy - The 2000 International Conference on Parallel and ..., 2000 - [cs.mu.oz.au](#)

... **resource reservation** (GARA) The **resource** trading services are offered by our middleware

infrastructure, GRACE (see next section): • **G**rid Architecture for ...

[Cited by 204](#) - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [All 19 versions](#)

(PDF) ► The anatomy of the **grid**

I Foster, C Kesselman, S Tuecke - International Journal of Supercomputer Applications, 2001 - [cri.enscm.fr](#)

... application-specific coherency protocol, or a co-**reservation** service for ... which build

on Globus Connectivity and **Resource** protocols, we ... The Anatomy of the **Grid** ...

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(PDF) ► The data **grid**: Towards an architecture for the distributed management and analysis of large

...

A Chervenak, I Foster, C Kesselman, C Salisbury, S ... - Journal of Network and Computer Applications, 2000 -

[citeseerx.ist.psu.edu](#)

... The public key-based **Grid** Security Infrastructure (GSI) [12] meets our requirements. •

Resource reservation and co-allocation mechanisms for both storage ...

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A Java commodity **grid kit-** ► [cogkits.org](#) [PDF]

G Von Laszewski, I Foster, J Gawor, P Lane - Concurrency and Computation: Practice and Experience, 2001 - doi.wiley.com

... The **Grid** Fabric provides **resource**-specific implementations of basic mechanisms required for **Grid** operation, for example, advance **reservation** mechanisms in a ...

Cited by 320 - Related articles - Web Search - BL Direct - All 36 versions

[PDF] ► An evaluation of economy-based **resource trading and scheduling on computational power grids for ...**

R Buyya, J Giddy, D Abramson - KLUWER INTERNATIONAL SERIES IN ENGINEERING AND COMPUTER ..., 2000 - gridbus.org

... Quality of Service (QoS) such as **resource reservation** for guaranteed availability and ... responsible for managing economy of computations on the **Grid** are the ...

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Grid information services for distributed **resource sharing-** ► [udel.edu](#) [PDF]

K Czajkowski, S Fitzgerald, I Foster, C Kesselman - 10th IEEE International Symposium on High Performance ..., 2001 - ieeexplore.ieee.org

... in-formation provider component called a **Grid Resource** In-formation Service (GRIS) and a configurable aggregate di-rectory component called a **Grid** Index ...

Cited by 1176 - Related articles - Web Search - All 64 versions

... for negotiating service level agreements and coordinating **resource** management in distributed ...-

► [nesc.ac.uk](#) [PDF]

K Czajkowski, I Foster, C Kesselman, V Sander, S ... - Lecture Notes in Computer Science, 2002 - Springer

... Another example is network QoS: a **reservation** regarding the ... motivating scenarios to apply SLA models to **Grid** RM prob ... state model, which embed a **resource** and task ...

Cited by 241 - Related articles - Web Search - BL Direct - All 40 versions

[BOOK] Grid **resource management: state of the art and future trends**

J Nabrzyski, JM Schopf, J Węglarz - 2003 - books.google.com

... This One Page 4. Page 5. **GRID RESOURCE** MANAGEMENT Page 6. ... **Grid resource** management involves many players and possibly several different layers of schedulers. ...

Cited by 191 - Related articles - Web Search - Library Search - All 3 versions

Dynamic virtual clusters in a **grid site manager-** ► [kfupm.edu.sa](#) [PDF]

JS Chase, DE Irwin, LE Grit, JD Moore, SE Sprenkle - 12th IEEE International Symposium on High Performance ..., 2003 - ieeexplore.ieee.org

... In particular, they support dynamic, policy-based cluster sharing between local users and hosted **grid** services, **resource reservation** and adaptive provisioning ...

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[PS] ► Multi-path routing combined with **resource reservation**

I Cidon, R Rom, Y Shavitt - IEEE INFOCOM, 1997 - cm.bell-labs.com

Page 1. Multi-Path Routing combined with **Resource Reservation** ... In this work, we suggest to do **resource reservation** along several routes in parallel. ...

Cited by 101 - Related articles - View as HTML - Web Search - Library Search - BL Direct - All 13 versions

Architectural models for **resource management in the **Grid**-** ► [psu.edu](#) [PDF]

R Buyya, S Chapin, D DiNucci - Lecture notes in computer science, 2000 - Springer

... **grid** user and (remote) **resources** through a **resource** broker or **grid** enabled application ... and Quality of Service (QoS) such as **resource reservation** for guaranteed ...

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Resource co-allocation in computational grids- ► [psu.edu](#) [PDF]

K Czajkowski, I Foster, C Kesselman - High Performance Distributed Computing, 1999. Proceedings. ..., 1999 - [ieeexplore.ieee.org](#)

... We argue that in a **Grid** environment, it ... is to enhance the local **resource** management system ... For example, by incorporating advance **reservation** capabilities into a ...

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The GrADS project: Software support for high-level **grid** application development- ► [umd.edu](#) (PDF)
F Berman, A Chien, K Cooper, J Dongarra, I Foster, ... - International Journal of High Performance Computing ..., 2001 - [hpc.sagepub.com](#)

... executable for it. Dynamic forecasts of **resource** performance and **grid** capacity will be used to reduce renegotiation overhead. The goal of ...

Cited by 254 - Related articles - Web Search - BL Direct - All 32 versions

Enabling applications on the **grid**: A gridlab overview- ► [cardiff.ac.uk](#) (PDF)

G Allen, T Goodale, T Radke, M Russell, E Seidel, ... - International Journal of High Performance Computing ..., 2003 - [hpc.sagepub.com](#)

... Key Words: **Grid** Application Toolkit (GAT), GridLab Architecture, Triana, **Resource** Management Service 1 Introduction Computational ...

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Economic-based distributed **resource** management and scheduling for **grid** computing- ► [arxiv.org](#) (PDF)

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... **Grids**.....1 1.2 Economic-based **Grid Resource** Management and ...

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WE Johnston, D Gannon, B Nitzberg - Presented at the Eighth IEEE International Symposium on High ..., 1999 - [citeseerx.ist.psu.edu](#)

... **Resource** Management for Co-Scheduling and **Reservation** One of the most challenging and well known **grid** problems is that of scheduling scarce **resources** such as a ...

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Scheduling co-reservations with priorities in **grid** computing systems- ► [psu.edu](#) (PDF)

R Min, M Maheswaran - ... International Symposium on Cluster Computing and the **Grid**, ..., 2002 - [ieeexplore.ieee.org](#)

... Advance **resource reservations** and co-reservations in the context of **Grid** computing have been the focus of few studies [1, 2]. Algorithms for supporting ...

Cited by 37 - Related articles - Web Search - Library Search - All 12 versions

A computational economy for **grid** computing and its implementation in the Nimrod-G **resource** broker- ► [arxiv.org](#) (PDF)

D Abramson, R Buyya, J Giddy - Future Generation Computer Systems, 2002 - Elsevier

... the essential ingredients for pushing **grid** into the mainstream computing. In the near future, we plan to support scheduling with advance **resource reservation**. ...

Cited by 225 - Related articles - Web Search - All 22 versions

Quality of service on the **grid** via metascheduling with **resource** co-scheduling and co-reservation

G Mateescu - International Journal of High Performance Computing ..., 2003 - [hpc.sagepub.com](#)

... Gabriel Mateescu Quality of Service on the **Grid** Via Metascheduling with **Resource** Co-Scheduling and Co-**Reservation** <http://hpc.sagepub> ...

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Scheduling in HPC **Resource** Management Systems: Queuing vs. Planning- ► [fz-juelich.de](#) (PDF)

M Hovestadt, O Kao, A Keller, A Streit - Lecture Notes in Computer Science, 2003 - Springer

... planned allocation times depend on the **release** times of ... One of the advantages of a **grid** environment is the ... a user wants to make a **resource reservation** as soon ...

Cited by 71 - Related articles - Web Search - BL Direct - All 14 versions

... A toolkit for the modeling and simulation of distributed **resource** management and scheduling for **grid** ... - [arxiv.org](#) (pdf)

R Buyya, M Murshed - Arxiv preprint cs/0203019, 2002 - arxiv.org

... s local time to model non-**Grid** (local) workload ... **Resources** can be booked for advance **reservation**. ... number of application jobs that can be submitted to a **resource**. ...

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... abstraction in the Open **Grid** Services Architecture[12 ... as advance or on-demand **reservation of resources** ... representation scheme for encoding **resource** properties and ...

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... co-**reservation** and co-allocation agents, but can then respond with domain-specific guidance if an agent signals difficulties in **resource reservation** or alloca ...

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R Al-Ali, A Hafid, O Rana, D Walker - ... Workshop on Middleware for Grid Computing (MGC2003) at ACM/ ..., 2003 - wesc.ac.uk

... mechanism for making QoS **reservations** for different types of **Grid resources**, such as ... **resource** selection and allocation through to **resource release**. ...

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Integrating trust into **grid resource** management systems- [umanitoba.ca](#) (pdf)

F Azzedin, M Maheswaran - ... Processing, 2002. Proceedings. International Conference on, 2002 - ieeexplore.ieee.org

Page 1. Integrating Trust into **Grid Resource** Management Systems ... Figure 1.

Components of a **Grid resource** management trust model. ...

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A case for economy **Grid** architecture for service oriented **Grid** computing- [gridbus.org](#) (pdf)

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... GEM) • Advanced **resource reservation** (GARA) We provide components (see Figure 3) that offer services required for constructing economy **Grid** and that can co ...

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